2.	. USSR (600)						
	. Wheat						
μ.		utumn	and	spring	sowing	s. Sel.	i sem.
	20 No. 3. 1953.						
	20 No.), 199).						

9. Monthly List of Russian Accessions, Library of Congress, ______1953. Unclassified

83207

s/119/60/000/008/008/008 B019/B056

9,4174 AUTHORS: Krol', L. Ya., Candidate of Technical Sciences, Nadzhip, F.E.

Engineer, Nashel'skiy, A. Ya., Candidate of Technical

Sciences, Starkov, A. L. Engineer

TITLE:

Made From Intermetallic ZnSb and CdSb Thermocouples

Compounds

Priborostroyeniye, 1960, No. 8, pp. 28-29 PERIODICAL:

The work discussed was performed at the Gosudarstvennyy nauchnoissledovatel'skiy i proyektnyy institut redkometallicheskoy promyshlermosti "Gidredmet" (State Scientific Research and Planning Institute of the Rare-earth Metal Industry "Gidredmet"). By way of introduction, the authors mention several fields of application of semiconductor thermocouples, and discuss a formula for the electric energy generated by thermocouples. The good physical properties of zinc- and cadmiumantimonide for the use as thermocouples may be seen from the 1. The characteristics of thermocouples made from compounds of this kind are given in Table 2, which were suggested by the institut polaprovodnikov

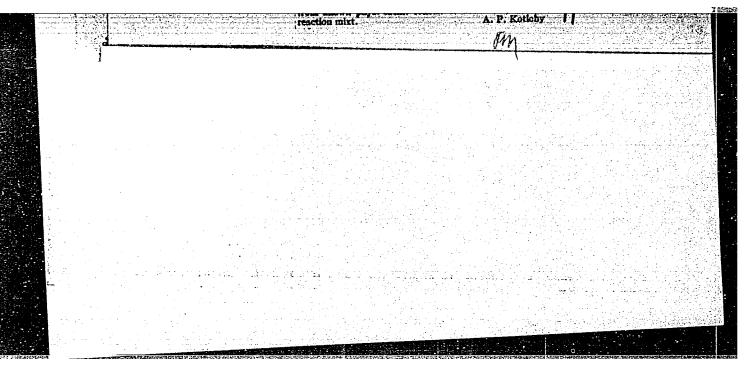
Card 1/2

ZELENSKIY, V.D.; KIRZHAYEV, N.I.; SUKALO, M.Kh.; STARKOV, A.N., spets. red.; DANILOVA, Z.S., red.

[Concise French-Russian armor dictionary] Kratkii frantsuzskorusskii avtobronetankovyi slovar'. Moskva, Voenizdat, 1964. 429 p. (MIRA 17:6)

- 1. YARMIZIN, D. V.; STARKOV, A. S.
- 2. USSR (600)
- 4. Rostov Province Irrigation Farming
- 7. Problems of plant breeding and seed production work in irrigated areas of Rostov Province. Sel. i sem. 20, No. 5, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.



STERICY, 1.V., Gend Pack Sci-(dies) "Separation of certain mixtures of certain in pulverised columns." For, 1953. 15 pp (Min of Migher Discretion UCCR. Nos Inst of Fine Chem Technology in M. V. Londonorov), 200 copies (M., 22-58, 110)

-110-

67039

SOV/153-2-5-24/31

AUTHORS:

Livov, S. V., Palikovskiy, V. B.,

Starkov, A. V.

Synthesis of New Monomers by Catalytic Dehydrogenation

TITLE:

Polyalkyli Benzenes in the Presence of Steam

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya tekhnologiya, 1959, Vol 2, Nr 5, pp 776 - 778 (USSR)

ABSTRACT:

The present paper deals with the dehydrogenation of polyethyland polyisopropyl benzenes to aromatic products which contain in the side chain vinyl-or isopropenyl-groups. This was carried out in a conventional dynamic system on self-regenerating catalysts (volume 30-70 cm³). The initial raw materials were mixtures of isomers of the dialkyl- and trialkyl benzenes. Figure 1 shows the dehydrogenation results of the dilso- and triisopropyl benzenes on the catalyst K-1 at 575-650°C. It shows that the yield of unsaturated liquid products increases with the increase in temperature, and with the decrease in the volume velocity of the introduction of reagents. The results also show that the diisoand triisopropyl benzenes may be dehydrogenated at about equal velocities. Similar results were obtained with the catalyst K-2 at 600-875°C (Fig 2). At a volume velocity of the liquid polyalkyl

Card 1/2

Livov, S.V.; STARKOV, A.V.; FAL'KOVSKIY, V.B.; TIKHONOVA, M.K.

Dehydrochlorination of dichloroethane in packing-free tolumns.
Zhur.prikl.khim. 34 no.8:1894-1895 Ag '61. (MIRA 14:8)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni
M.V. Logonosova. (Ethane) (Ethylene)

KOSTYUK, N.G.; L'VOV, S.V.; FAL'KOVSKIY, V.B.; STARKOV, A.V.; LEVINA, N.H.

Preparation of anhydrides of higher carboxylic acids by the reaction of transanhydridization. Zhur.prikl.khim. 35 no.3: 698-699 Mr '62. (MIRA 15:4)

1. Moskovskij institut tonkoj khimicheskoj tekhnologii imeni M.V.Lomonosova. (Anhydrides)

L'VOV, S.V.; FAL'KOVSKIY, V.B.; KOSTYUK, N.G.; STARKOV, A,V.; GOLENKOVA, I.B.; KUSKOVA, N.B.; TYURICHEVA, T.A.

र विकास कर प्राप्त कर कर कर है। जो कर के किया क

SULT FARES

Continuous method of preparation of isovaleric acid from isoamyl alcohol by a catalytic reaction. Zhur.prikl.khim. 35 no.3:700-701 Mr 62. (MIRA 15:4)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M.V.Lomonosova.

(Isovaleric acid) (Isopentyl alcohol)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652920011-4"

21861-66 ACC NR: SOURCE CODE: UR/0079/65/035/002/03 AUTHOR: Starkov, A. V.; Shenkman, I. A.; Bogomolova, M. P.; Volkov, Yu. P. ORG: Central Scientific Research Disinfectant Institute (Tsentral'nyy nauchnoissledovatel'skiy dezinfektsionnyy institut); Ministry of Public Health SSSR (Ministerstvo zdravockhraneniya SSSR) TITLE: Synthesis of esters of 0, 0-dialkylphosphoric and 0, 0-dialkylthiophosphoric acids and pentachlorophenol SOURCE: Zhurnal obshchey khimii, v. 35, no. 2, 1965, 352-354 TOPIC TAGS: organic synthetic process, ester, insecticide, phenol, condensation reaction, acetone, bactericide, phosphate At present, numerous insecticides of the class of esters of O, O-dialkylphosphoric and O-Odialkylthiophosphoric acids are known. Different substituted phenols have been used as the alcoholic component of such esters. Continuing studies in this area, the synthesis of esters of O, O-dialkylphosphoric and O, O-dialkylthiophosphoric acids and pentachlorophenol was attempted. The authors attempted to obtain compounds with insecticidal properties. O, O-Dimethyl- and O, O-diethylpentachlorylpentaphosphates were obtained by condensation of corresponding O, O-dialkylchlorophosphates with pentachlorophenol in boiling acetone in the presence of Na₂CO₃ with a 60-65% yield. Biological tests showed that the synthesized compounds had average insecticidal and weak bacteriostatic pro-Card 1/2 546 • 185 : 547 • 564

ACC NR: AP	60120	650													•	I	
			١.	Δ O=	diet <u></u> nv]	pent	achlo	rop	henol	phos	hate	upor	COL	tact			
perties; for action on	גט יום מות ב	ring Line	LB, rfa(e pro	duced 8	0% ¤	orta	lity	01 1	lies	in a d	05 6 1	tes	inal			
perties; in action on grams/mete	F AT	nd pi	reve	ented	growth	of a	ureo	18 8	tapny	106066	יים אודים	es.	IJ	RS]	7		
SUB CODE:	07.	06	1	SUBM	DATE:	170	ec63	/	ORIG	REF:	003	/	OTH	REF:	001		
SOR CODE:	01,	-	•						: " · .				i eri	*.			
-																	
								Àġ.									
	•																
		1		•		A. 1			j.						_		
	*.	•	•												•		
•					and the second					e transfer		ı.Lo					
		•															
						·						. Y					
								1	r in the								-
•					•			- ₄									
											-						
		. !	•						and the			4 1 1 T			والمسترين	-	
			4		1111			. 11								•	
							1 1			••							
											100				`		

ACC NR: AP6025387

SOURCE CODE: UR/0243/66/000/007/0016/0019

AUTHOR: Borisova, N. N.; Limanov, V. Ye.; Starkov, A. V.; Skvortsova, Ye. K.; Putyatina, T. I.

ORG: Central Disinfectant Research Institute, Moscow (Tsentral'nyy nauchno-issledovatel'skiy dezinfektsionnyy institut)

TITLE: Synthesis and antibacterial properties of some quaternary ammonium compounds. Report 1.

SOURCE: Meditsinskaya promyshlennost' SSSR, no. 7, 1966, 16-19

TOPIC TAGS: organic chemistry, organic synthesis, biochemistry, antibiotic, quaternary ammonium compound, antibiotic effect, ammonium compound

ABSTRACT: The antibacterial properties, of the quaternary ammonium compounds listed in the table were tested on *E. coli* and *Staph. aureus*. In the compounds studied, replacement of a cetyl radical by the more available mixed cetylocadecyl radical does not decrease the antibacterial properties of the compounds (see the table). The substitution of a saturated long chain radical by an unsaturated one increased the antibacterial properties of the compound. Antibacterial activity of the preparations increased as the basicity of the incorporated tertiary amines increased. The nature

Card 1/3

UDC: 615.711.41-012+615.711.41-017.78

A CONTRACTOR OF THE SECOND STATES OF THE SECOND SEC

ACC NR: AP6025387

of the anion affects the antimicrobial properties of the preparations. Cetyl (-octadecyl)-pyridine bisulfate (no. 5) had not appreciably affected bacterial growth after 45 min, when a 0.5% concentration was used. However, when bromide was substituted for bisulfate, growth inhibition was noted after 5 minutes (no. 6), and when chloride was substituted, a 0.025% solution inhibited bacterial growth within five minutes (nos. 7 and 8). The role of unsaturated atoms in the long ... chain radical of the quaternary nitrogen compound has been studied little. In this study, compounds no. 8 and 16, which contain a long chain largely unsaturated radical (iodine no. 40), are more physiologically active than compounds no. 7 and 15 with a saturated radical. Systematic studies of the relationship of basicity of anions -... to antibiotic properties revealed that antibacterial activity increases with increasing basicity. For example, a 0.05% solution of compound no. 6 inhibits microbial growth; a 0.1% solution of no. 9 and a 0.025% solution of no. 10 and no. 11 produce the same result (see the table). However, a 1:1 mixture of no. 13 and no. 14 produce the same results as no. 14 alone when tested on Staph. aureus. On the other hand, the introduction of an electronegative n-chlorobenzene group for the methyl group of compound no. 12 results in lowered antimicrobial effect. Similar results hold for cyclic

Card 2/3

• •	amin	nes wh	d 18.	•	•	oup is sub		(,,,,,	-,		_		•	•	•	
	SUB	CODE:	06/	SUBM	DATE:	22Sep65/	ORIG	REF:	002/	OTH	ref:	- 002		•		
•		•	Ċ			•								•	•	
			•											•	•	
					•	•		:		•	. "			•		
				•	,	•			•			•				•
		•					•	••				•				
				•		•	٠				·				·	

UR/0016/66/000/007/0024/0029 SOURCE CODE: ACC NR: AP6024436 'AUTHOR; Vashkov, V. I.; Dremova, V. P.; Starkov, A. V.; Volkova, A. P.; Sinderova, M. V.; Katunina, V. I.; Lari nova, V. D.; Yerina, K. M. ORG: Central Disinfection Institute, Moscow (Tsentral'nyy dezinfektsionnyy institut) TITLE: Insecticidal properties of the various forms of DDVP and perspectives of their application for disinfestation SOURCE: Zhurnal mikrobiologii, epidemiologii, i immunobiologii, no. 7, 1966, 24-29 TOPIC TAGS: insecticide, aerosol, DDVP, insect pest ABSTRACT: Preparations of DDVP (0,0-dimethyl 0-2,2-dichlorvinyl phosphate) can be used for the immediate extermination of flies and domestic insects (bugs, cockroaches, fleas), in the form of 0.5-0.3% aqueous solutions. A minimal amount, assuring 100% destruction of flies, fleas, and bugs on finished surfaces (glass, wood) is 0.05-0.5 g, for cockroaches 1-2 g, per 1 m² (see Tables 1 and 2). Residual action at 18-20° lasts no longer than 5-7 days. To exterminate fly larvae in their substrate, a 0.2%-0.5% aqueous solution can be used at a standard flow rate of the pressure fluid (1-2 liters of solution for materials up to 30 cm thick. Bait for flies and cockroaches can be prepared from aqueous UDC: 616.981.452-092.9-097.3 Card 1/2

ACC NRi AP6024436

solutions of DDVP. However, the short period (2 days) of residual action of such bait limits prospects for use in practice. DDVP dusts can be used to exterminate a number of domestic parasites. However, in view of the brief period of residual action, further study of the prospects for use in extermination practice is necessary. DDVP is toxic to animals when taken internally. (LD₅₀ of various samples of preparation is 100—200 mg/kg for mice.) Inhalation of a 0.5% aqueous solution during single or repeated spraying, does not induce any toxic effect in various animals. In preparing aqueous solutions and other forms of DDVP, precautionary measures must be observed, in view of the possibility of entry of the concentrated preparation into the mouth and skin. DDVP in aerosol or vapor form is especially promising.

SUB CODE: 06/ SUBM DATE: 22Feb65/ ORIG REF: 002/ OTH REF: 002/

Card 2/2

ACC NR. AP6034111 (A, N) SOURCE CODE: UR/0358/66/035/005/0532/0537

AUTHOR: Kamennov, N. A.: Aleksayev, A. N.: Starkov, A. V.: Volkovo

AUTHOR: Kamennov, N. A.; Alekseyev, A. N.; Starkov, A. V.; Volkova, A. P.; Larionova, V. D.

ORG: Central Disinfection Research Institute, Ministry of Health, Moscow (Tsentral nyy nauchno-issledovatel skiy dezinfektsionnyy institut Ministerstva zdravookhraneniya)

TITLE: Properties of ovicidal drugs

SOURCE: Meditsinskaya parazitologiya i parazitarnyye bolezni, v. 35, no. 5, 1966, 532-537

TOPIC TAGS: ovicidal drug, drug effect, para isobutyl phenyl ester, foricity, plenyl company, discretely, participation.

ABSTRACT: Ortho- and paracresylacrylates and phenylacetate were the most effective ovicidal drugs of the 13 fatty acid phenyl esters studied. Orthocresylacrylate was most effective against loose eggs laid in hair when applied in a 2% solution in a 2% aqueous sulfanole solution. Their toxicity is not more than DDT and they are effective only against eggs and not against imagos. Orig. art. has: 6 tables and 1 figure. [W.A. 50]

SUB CODE: 06/ SUBM DATE: 16Nov64

UDC: 615.777/.779+616.5-002.957.5 (Pediculi-

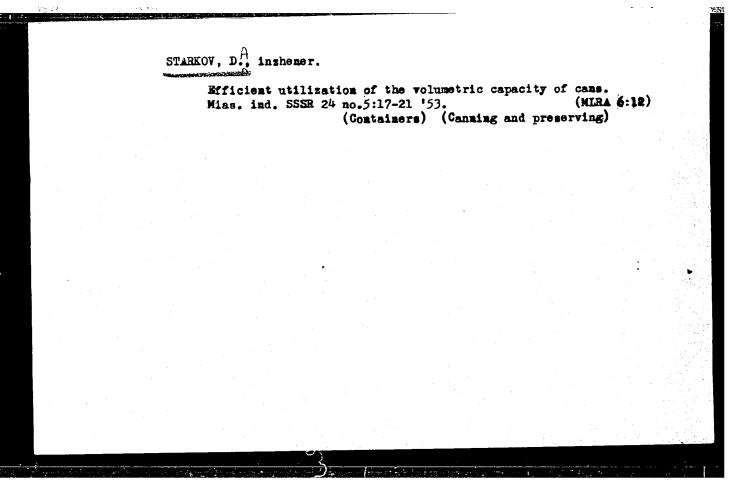
ord 1/1 dae)-085.77

ACC 1.'R: AP6025989		UR/0079/66/		2 P1
AUTHOR: Divinskaya, I Putyatina, G. M.; Star	KOA W. A. O. C.	,,	,	
ORG: Central Scientif	fic Research Disi skiy dezinfektsio	nfectant Inst nnyy institut	citute (Tsen t)	tral'nyy
TITLE: Search for bac	•			
SOURCE: Zhurnal obsh	chey khimii, v. 3	6, no. 7, 190	66, 1244-124	sphonoum
TOPIC TAGS: bacteric chloride, alkylaminop	ide, ergano phosph hosphonate chlori	.de		
ABSTRACT:	•	lankama com	nounds were	
In a search for new bacte synthesized and their bac	ricides, eight new organ tericidal properties	studied. The	reaction of	
•			•	
	•			
Card 1/3	UDC: 547.2	71		
·	والمرابعة والمستعدد	()		

	(B) ₂ N+ CIC	O H-Proc u x	→	(i, ii)			
	• • •	•		. ••			
At 130°, dec	yl chloride r s ál t III. mo	eacts with	phosphoro	s hexaethy	ltriamide	to form	***
	AMPER TITE IIII				7 1 97	4	
tained under (hydroxymeth	similar cond	itions. A	TOU IN I	rrrogen att	osphere.	tri-	
tained under (hydroxymethy phosphonium l of tri(hydroxymethy	similar cond: 1) phosphine promide to for	itions. A reacts with	h cetylphos responding	phonium bro bromides (osphere, mide or o (I). The	tri- ctadecyl reaction	
tained under (hydroxymethy phosphonium l of tri(hydroxywith octadecy	similar cond 1) phosphine is cromide to for ymethyl) phosp 1 chloride un	itions. A reacts with the corphine with	h cetylphos responding decyl chlo	phonium bro bromides (\final Tide at 18()	osphere, Mide or o VI). The O'C gave V	tri- ctadecyl reaction [] and	
tained under (hydroxymethy phosphonium l of tri(hydroxymethy	similar cond 1) phosphine is cromide to for ymethyl) phosp 1 chloride un	itions. A reacts with the corphine with	h cetylphos responding decyl chlo	phonium bro bromides (\final Tide at 18()	osphere, Mide or o VI). The O'C gave V	tri- ctadecyl reaction [] and	
tained under (hydroxymeth) phosphonium lof tri(hydroxywith octadecy	similar cond 1) phosphine is cromide to for ymethyl) phosp 1 chloride un	itions. A reacts with the corphine with	h cetylphos responding decyl chlo	phonium bro bromides (\final Tide at 18()	osphere, Mide or o VI). The O'C gave V	tri- ctadecyl reaction [] and	
tained under (hydroxymeth) phosphonium lof tri(hydroxywith octadecy	similar cond 1) phosphine is cromide to for ymethyl) phosp 1 chloride un	itions. A reacts with the corphine with	h cetylphos responding decyl chlo	phonium bro bromides (\final Tide at 18()	osphere, Mide or o VI). The O'C gave V	tri- ctadecyl reaction [] and	

Nore	Compound	Toward e. coli.	Toward staph. Hufeus		
Ail	(C, II _{r,}), N—CII, PO(OC, II _r), OCI (C, II _{r,}), N—CII, PO(OC, II _r), OCI (C, II _r), PO(OC, II _r), OCI (C, II _r), PO(OCI, II _r), OCI (C(II _r), PO(OCI, II _r), PO	0.5%, 20 min. 0.5%, 30 min. 1%, not active 1%, not active 1%, not active 1%, not active 1% not active 1% not active 1% and active 1% and active 1% and active 1% and active	0.5%, 15 min. 0.26%, 25 min. 1% Not: active 1% not active		
R 1	s a mixture was Cielles,	i C ₁₇ li ₂₆ , C ₁₈ li ₂₇ ,	• •		
Orig.	art. has: 1 table	•	[W.A. 5	O; CBE No.	10]
	DE: 07,06/SUBM DA		ORIG REF: 00	5/ OTH REI	P: 001
				•	
	•				

ACC NR. AP6034111 (A, N) SOURCE CODE: UR/0358/66/035/005/0532/0537 AUTHOR: Kamennov, N. A.; Alekseyev, A. N.; Starkov, A. V.; Volkova, A. P.; Larionova, V. D. Scientific ORG: Central Disinfection Research Institute, Ministry of Health, Moscow (Tsentral'nyy nauchno-issledovatel'skiy dezinfektsionnyy institut Ministerstva zdravookhraneniya) TITLE: Properties of ovicidal drugs SOURCE: Meditsinskaya parazitologiya i parazitarnyye bolezni, v. 35, no. 5, 1966, 532-537 TOPIC TAGS: ovicidal drug, drug effect, para isobutyl phenyl ester, foricity, plenyl compound, distriction, plenyl compound, distriction, para isobutyl phenyl ester, foricity, plenyl compound, distriction, plenyl compound, distriction, para isobutyl phenyl ester, foricity, plenyl compound, distriction, para isobutyl phenyl ester, foricity, plenyl ester, para isobutyl phenyl ester, para isobutyl ester, para is most effective ovicidal drugs of the 13 fatty acid phenyl esters studied. Orthocresylacrylate was most effective against loose eggs laid in hair when applied in a 2% solution in a 2% aqueous sulfanole solution. Their toxicity is not more than DDT and they are effective only against aggs and not against imagos. Orig. art. has: 6 tables [W.A. 50] and 1 figure. SUB CODE: 06/ SUBM DATE: 16Nov64 615.777/.779+616.5-002.957.5(Pediouli-UDC: dae)-085.77 **Card** 1/1



STARKOV, DA inshener.

Effecient utilisation of the capacity of cans. Mias.ind. SSSE 25 no.2:27-30 '54. (Meat, Ganned)

STARPLY, D. A. ... "LATIONAL USE OF THE CONTAINERS IN THE PREPARATION OF NATURAL NEAT PRESERVES."

Sub 25 Fab 52, Noscow Chemicotechnological Inst of Neat Industry (Dissertation for the Degree of Candicate in Technical Sciences)

SO: V-CHERNAYA NOSKVA, JANUARY-December 1952

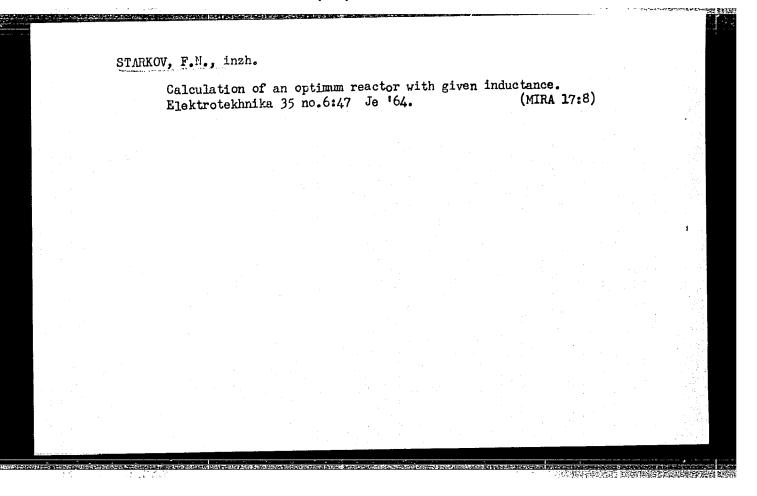
EUYAKOVICH, Z.G.; STARKOV, D.P.

Light-diffusing materials, Plast.massy no.5:74 '60. (MIRA 13:7)
(Plastics)

(Electric light fixtures)

Method of changing the electromagnetic constant of time for passive circuits. Sudostroenie 30 no.5137-38 My '64.

(MINA 17:6)



"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652920011-4

L 2615-66 EWT(d)/EWP(c)/EWP(v)/T/EWP(k)/EWP(h)/EWP(1)

ACCESSION NR: AP5019723

UR/0144/65/000/007/0765/0774

621.3.078+62-56

39

AUTHOR: Starkov, F. N. (Assistant)

3

TITLE: Static synthesis of automated systems

SOURCE: IVUZ. Elektromekhanika, no. 7, 1965, 765-774

TOPIC TAGS: industrial automation

ABSTRACT: A method of system synthesizing is suggested which permits determining unknown parameters from a specified law of control under static conditions. The method is claimed to be simple and applicable to automated systems of any nature. A system comprising a plant, a principal feedback, a deviation feedback, and a disturbance feedback is described mathematically. Formulas for synthesizing such a system are developed. Their use is illustrated by an example of designing the excitation for a d-c generator. All system units,

Card 1/2

L 2615-66

ACCESSION NR: AP5019723

2

except for auxiliary feedbacks, can be nonlinear. If the nonlinearity of the auxiliary feedbacks is not pronounced, the degree of such feedbacks has only a slight influence on the desirable control process; hence, these feedbacks can be selected on the basis of cost, size, weight, design considerations, etc. The full synthesis of a system involves 2(a-1)+1 equations, where "a" is the total number of feedbacks; the number of unknowns in the system is a+1. Orig. art. has: 7 figures and 20 formulas.

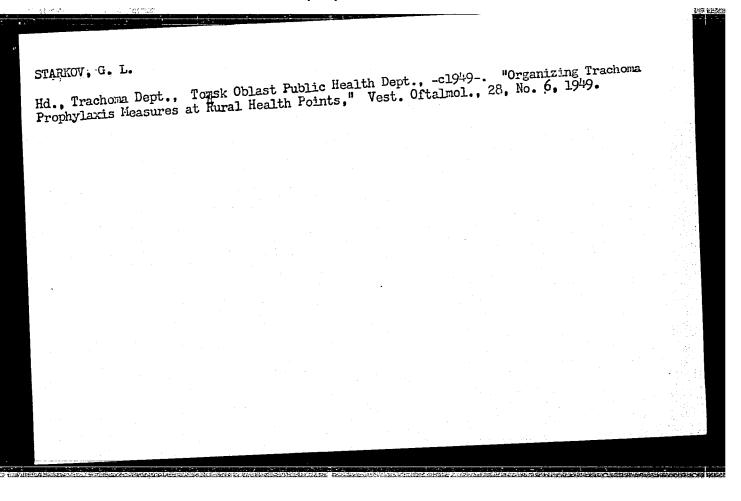
ASSOCIATION: Leningradskoye vyssheye inzhenernoye morskoye uchilishche

(Leningrad Higher Marine-Engineering School)

SUBMITTED: 26Feb63 ENCL: 00 SUB CODE: IE

NO REF SOV: 000 OTHER: 000

Card 2/2



STARKOV, G.L.

Control of trachoma in rural areas. Sovet.med. No.3:33-34 Mar 51. (CIML 20:6)

1. Head of the Trachoma Room of Tomsk Oblast Health Department.

STARKOV, Gennadiy Leonidovich; GLASKO, N.M., redaktor; SACHEVA, A.I., tekhnicheskiy redaktor

[How to preserve and improve your sight; talks by an oculist]

Kak sokhranit' i uluchshit' srenie; besedy glasnogo vracha.

Moskva, Gos. izd-vo med.lit-ry, 1955. 44 p. [Microfilm] (MLRA 10:6)

(SIGHT)

STARKOV, Gennediy Leonidovich; VEDENSKIY, S.S., red.; LYUDKOVSKAYA, N.I., tekhn.red.

[How to preserve and improve vision; talks with an ophthalmologist]
Kak sokhranit' i uluchshit' zrenie; besedy glaznogo vracha. Isd.2.
Moskva, Gos.izd-vo med.lit-ry Medgiz, 1958. 51 p. (MIRA 12:9)
(EYE--CARE AND HYGIENE)

STARKOV, G.L., dotsent

Biomicroscopy of the posterior segments of the vitreous body.

Vest.oft. no.6:20-25 *60.

(MIRA 14:11)

1. Kafedra glaznykh bolezney (zav. - prof. O.I. Shershevskaya) Stalinskogo gosudarstvennogo instituta dlya usovershenstvovaniya vrachey. (VITEROUS HUMOR)

STARKOV, G. L., dotsent

Detachments of the vitreous body and their clinical significance.

Oft. zhur. 17 no.4:206-210 '62. (MIRA 15:7)

1. Iz glaznov kliniki (zav. - prof. 0. I. Shershevskaya) Donetskogo instituta usovershenstvovaniya vrachev.

(VITREOUS HUMOR__DISEASES)

STARKOV, Gennadiy Leonidovich; YUKHNOVSKAYA, S.I., red.; LYUDKOVSKAYA, N.I., tekhn. red.

[How to preserve and improve the vision; talks by an eye doktor] Kak sokhranit' i uluchshit' zrenie; besedy glaznogo vracha. Izd.3., perer. Moskva, Meditsina, 1964. 54 p. (MIRA 17:3)

ACC NR. AP7006472

SOURCE CODE: UR/0415/66/000/004/0100/0102

AUTHOR: Andriyevich, V. V.; Mogilevskaya, S. Ye.; Makhrov, S. T.; Starkov, G. P.

ORG: Eastern Scientific Research Mining Institute (VostNIGRI), Novokuznetsk (Vostochnyy nauchno-issledovatel'skiy gornorudnyy institut (VostNIGRI))

TITIE: On the relationship between the velocity of a longitudinal ultrasonic wave and the strength of rock and ore in the Sheregesh deposit (Gornaya Shoriya)

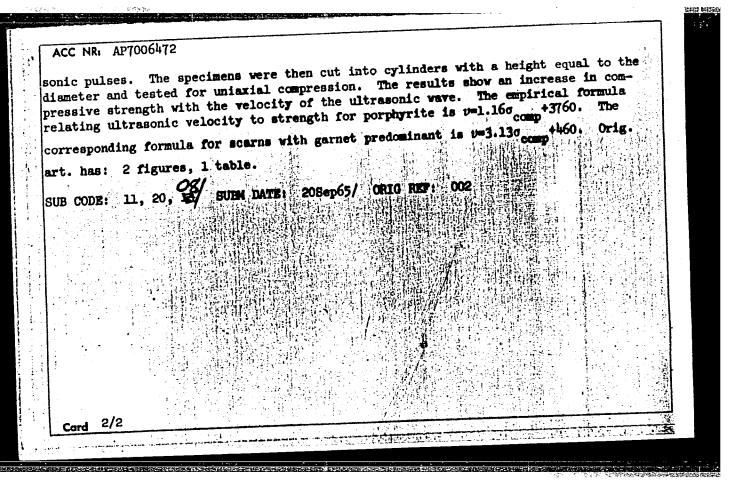
SOURCE: Fiziko-tekhnicheskiye problemy rasrabotki polesnykh iskepayenykh, no. 1, 1966, 100-102

TOPIC TAGS: ultrasonic wave propagation, compressive strength, mining engineering

ABSTRACT: The article is a report on studies being conducted in the Geological Laboratory of the Eastern Scientific Research Mining Institute to establish the relationship between the velocity of longitudinal ultrasonic waves and the compressive strength of rock and ore. Limestone and porphyrite specimens from the Sheregesh description with a fairly constant mineralogical composition and consistent structural characteristics were studied together with skarns and ores. An IPA-59 seismoscope was acteristics were studied together with skarns and ores. An IPA-59 seismoscope was acteristics were studied together with skarns and ores. An IPA-59 seismoscope was local for determining the velocity of an ultrasonic wave in cylindrical specimens 100—used for determining the velocity of an ultrasonic wave in cylindrical specimens 100—used for determining the velocity of an ultrasonic wave and receivers of ultranatural oscillation frequency of 250 kc were used as emitter and receivers of ultranatural oscillation frequency of 250 kc were used as emitter and receivers of ultranatural oscillation frequency of 250 kc were used as

Card 1/2

UDC: 552.1:53(571.17)



MCGILEVEKAYA, S.Ye., kand. goologe mineralogicheskikh nauk; STARKOV, G.P., inzh.

New developments in methods of determining the silicosis hazard of rocks. Bezop.truda v prom. 9 no.4239-40 Ap 165.

(MIRA 18:5)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652920011-4"

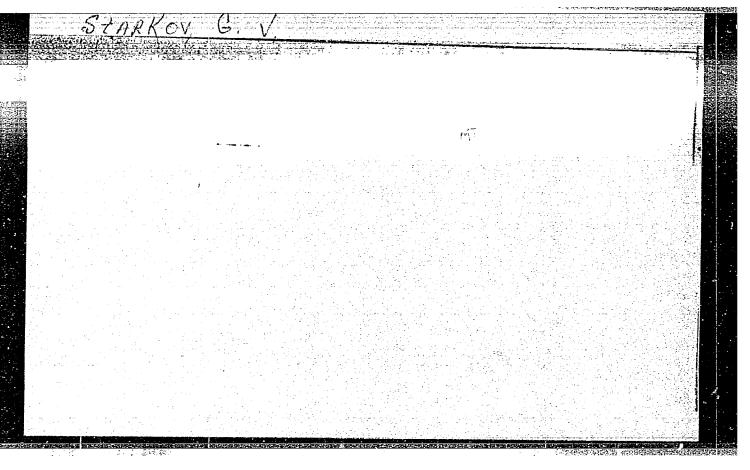
DAVYDOV, M.S.; STARKOV, G.V., redaktor; SHENFEL'D, S.D., redaktor;

KRASNAYA, X.T., telinicheskiy redaktor.

[Lubricants and their use in the river fleet] Smazochnye materialy i ikh ispol'zovanie na rechnom flote. Moskva, Gos. isd-vo vodnogo transp., 1953. 165 p. [Microfilm] (MLRA 7:8)

(Lubrication and lubricants)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652920011-4"



BEREZHNAYA, V.D.; KAPUSTIN, B.N.; KOZOREZOVA, A.A.; MATSKIN, L.A.; STARKOV, G.V., ITITKOV, V.I.; SMELYANSKIY, V.A., redaktor; SOKOLOVA, N.N., tekhnicheskiy redaktor

[Manual on petroleum products in agriculture] Spravochnik po nefte-produktam v sel'skom khozinistve. Moskva, Gos. izd-vo sel'khoz.

lit-ry, 1956. 343 p. (MIRA 10:4)

(Petroleum products)

PHASE I BOOK EXPLOITATION SOV/5744

Akademiya nauk SSSR. Mezhduvedomstvennyy komitet po provedeniyu
Mezhdunarodnogo geofizicheskogo goda. IV. razdel programmy MGG:
Mezhdunarodnogo geofizicheskogo goda. IV. razdel programmy MGG:
Polyarnyye siyaniya i svecheniye nochnogo neba.

Issledovaniya polyarnykh siyaniy; sbornik statey (Investigations
of Auroras: Collected Articles. No. 4) Moscow, Izd-vo AN SSSR,
1960. 77 p. 2,000 copies printed.

Resp. Ed.: B. A. Bagaryatskiy, Candidate of Physics and Mathematics;
Ed.: Ya. I. Fel'dshteyn; Tech. Ed.: Ye. V. Makuni.

PURPOSE: This IGY publication is intended for geophysicists,
astrophysicists, and other scientists concerned with auroras
and related phenomena.

COVERAGE: The collection contains certain results of visual auroral
observations as well as of the photographing and spectrographing
of knovas made at Soviet stations during the IGY. No personalities are mentioned. English abstracts and references follow

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652920011-4"

each article.

card 1/3

	Investigations of Auroras: Collected (Cont.) SOV/5744		4	
	, , , , , , , , , , , , , , , , , , , ,			
	Fel'donteyn, Ya. I. Magnetic Ionospheric Disturbances and Auroras at Dikson Island	29		
	Khorosheva, O. V. Researches on Distortion Curves of C-180 Cameras	40		
:	Madubovich, Yu. A. Observations of the Time Derivative of the			
	Vertical Component of the Geomagnetic Field During the Period of Auroras	47		
	Khorosheva, O. V. Brightness of the Night Sky According to Data of Northern Stations	52		
	Starkov, G. V., and Ya. I. Fel'dsheyn. Azimuths of Auroral Ares According to Observations at Dikson Island	56 _.		
	Fel'dshteyn, Ya. I. The Geographic Distribution of Auroras and Azimuths of Auroral Ares	61		
	AVAILABLE: Library of Congress	4.	•	
	JA/dw 11-	m/jw 6 - 61		
			*	
				

NADUBOVICH, Yu.A.; STARKOV, G.V.

Fibrous structure of weak homogeneous arcs of auroras. Geomag.i aer. 2 no.1:71-73 Ja-F '62. (MIRA 15:11)

1. Yakutskiy filial Sibirskogo otdeleniya AN SSSR. (Auroras)

s/169/61/000/008/035/053 A006/A101

3,1810 (1041)

Starkov, G. V., Fel'dshteyn, Ya. I. AUTHORS:

Azimuths of arcs of aurorae polaris from observations on the Dixon TITLE:

Island

Referativnyy zhurnal, Geofizika, no. 8, 1961, 19, abstract 8G151 PERIODICAL:

(V sb. "Issled. polyarn. siyaniy, no. 4", Moscow, AN SSSR, 1960,

56-60, English summary)

The authors studied the dependence between the orientation of aurora polaris arcs and the local terrestrial magnetic field. Photographs of aurorae were taken with the aid of a wide-angle lens camera. To determine the azimuth of arcs their lower edges were horizontally projected assuming that the altitude of aurora was constant and equal to 110 km. Azimuths were read out from the direction of geographic north. Data obtained show that from 18 to 6 h local time a systematic decrease of arc azimuths in respect to the geographical meritian was observed. The results of observations are in a satisfactory agreement with theoretical conclusions drawn by Alfven (Alfven, H., "Kosmicheskaya elektrodinamika" IL., Moscow, 1952). The conjecture on the connection between isolines

Card 1/2

29719 s/169/61/000/008/035/053 A006/A101

Azimuths of arcs of aurorae polaris ...

("Izokhazmy") and the local magnetic field is not confirmed by an analysis of visual observations. In cases when the arc did not change its shape, within some minutes, the velocity of its displacement in direction of the normal was determined; this direction coincided basically with the meridional one. The southward movement of the aurorae was observed during the evenings, and the northward one during the evening and night. The mean velocity of displacement is 6.4 ÷ ± 4.4 km/min. Investigations have shown that there is no single-valued correlation between the location of a uniform arc and the Q-value (the index of magnetic activity). The horizontal projection of the disturbed vector F was calculated at the moment when the arc was present. It was found that during nightfall uniform arcs had the tendency to shift toward the south at an increased vector of F-magnetic disturbance. Otherwise no marked correlation was discovered.

L. Yerasova

[Abstracter's note: Complete translation]

Card 2/2

S/169/62/000/006/080/093 D228/D304

3,1810

AUTHOR:

Starkov, G. V.

TITLE:

Azimuths and rates of movement of homogeneous auroral

arcs

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 6, 1962, 23, abstract 6G137 (V sb. Polyarn. siyaniya i svecheniye

nochn. neba, no. 7, M., AN SSSR, 1961, 22-26)

TEXT: During the IGY large amounts of auroral photographs were obtained by means of full sky cameras, which fix the position of radiances in the firmament. This allows the positions of the arcs to be investigated in detail. The materials used by the author were mainly obtained in the western sector of Soviet Arctica in the period 1957-1958. The cameras were oriented and calibrated by the stars. The norizontal projection of the arcs was plotted on 1: 10,000,000-scale maps, when it was supposed that the height of the lower edge of the auroras is constant and equal to 110 km. The curvature radii and the azimuths were determined only for homogeneous

Jard 1/4

39098 s/169/62/000/006/080/093 D228/D304

Azimuths and rates ...

arcs. 515 cases were considered in all. A. P. Nikol'skiy and O. A. Budro (AZnGeofiz, no. 6, 1958, 4685), when examining the geographic distribution of magnetic disturbances, showed that points, corresounding to the maximum of the magnetic disturbance's phase, are disposed spirally. Only the results of Budro, whose "morning" spidisposed spirally. ral corresponds approximately to the isochrones of Nikol'skiy, can be used to obtain the diurnal variation of the azimuths, which must take place if it is assumed that the arcs are situated along spirals. Avolutes of all three of Budro's spirals were constructed to determine the azimuth's diurnal variation. By means of them the values of the azimuths and the radii of curvature were taken from the spirals. Curves are cited for the dependence of auroral arcs' azimuths on the local time, and they are compared with the observational data. The distribution obtained from Budro's spirals evidently does not correspond to Alphven's (Al'fven's) change in the are azimuths. The results of the measurements correspond comparatively well to the calculated curve. The probability of an arc's appearance in a particular section of the spiral must depend on the -geomagnetic latitude. For high-latitude stations the probability card 2/4

39998 S/169/62/000/006/080/093 D228/D304

Azimuths and rates ...

of the appearance of arcs, deviating greatly from the 90° azimuth, is higher than for the stations in lower latitudes. It was impossible to derive an obvious relationship between the azimuth's deviation from the calculated curves and the average for the degree of magnetic disturbance. The negligible radius of arc curvature is a no less important factor, speaking in favor of the spirally-related disposition of arcs. The rate of arc movement was also determined. According to the nature of their movement arcs are divided into two types. The first (most of them) possess a comparatively uniform, parallel movement, generally in a direction towards the auroral zone at a speed of 12 + 6 km/min. Arcs of this type can arise when there is no magnetic disturbance. The appearance of such arcs appears to be connected with regular currents in the icnosphere. Arcs of the second type arise only in the presence of magnetic disturbance. It may be supposed that they are associated with linear current, including the given storm, since the perturbance vector's direction coincides with a precision of down to $2-3^\circ$ with the magnetic field vector of the linear current coinciding spatially with the arc. There was only one arc in the sky in some cases. Estimat-

Card 5/4

Azimuths and rates ...

39098 S/169/62/000/006/080/093 D228/D304

ing the current in the arc according to the law of Bio-Savar gives a value of 1000 - 8000 amp. The current's direction is westerly. Arcs of this type are distinguished by the high irregularity of their movement. Sometimes they are stationary, when large azimuthal variations are usually observed. / Abstracter's note: .Complete translation. /

Cara 4/4

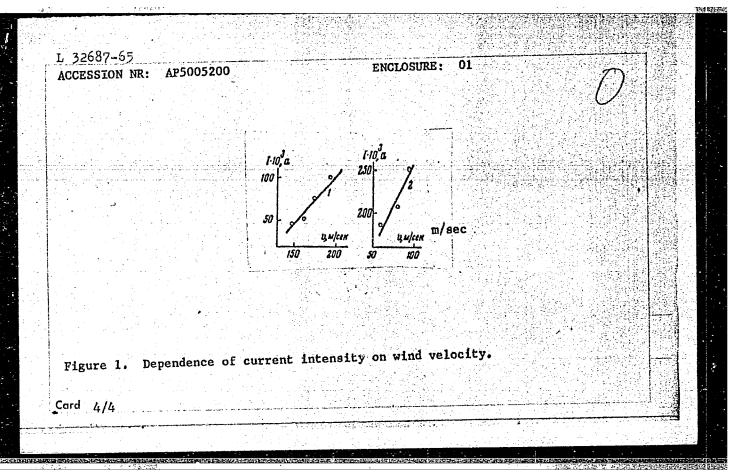
Pe-5/Pi-4/Po-4/Pa-4/ Pt-10/Pae-2/Peb GW/WS-4 \$/0203/65/005/001/0177/0179 ACCESSION NR: AP5005200 AUTHOR: Starkov, G. V. Electrical fields at the heights of the E layer SOURCE: Geomagnetizm i aeronomiya, v. 5, no. 1, 1965, 177-179 TOPIC TAGS: upper atmosphere, ionosphere, ionospheric E layer, magnetic disturbance, aurora, atmospheric electricity ABSTRACT: During the 1962-1963 observation season, a parallactic survey was made at Murmansk and Loparskaya to determine the heights of auroras? For comparison of these results with magnetic disturbances, those cases were selected when only one arc was present in the sky for a relatively long time and this arc was approximately parallel to the direction of the electrical current, determined from the magnetograms of the variation station at Loparskaya. There were two such cases: 1700 and 2030 UT on 30 January 1963. Current intensity was also computed for these times using the Biot-Savart law. It was assumed that the magnetic disturbance was caused by a linear current whose height coincides with the height of the arc. The dependence of current intensity on wind velocity is shown in Fig. 1 of the Enclosure. The straight line 1 is for 1700 hours and line 2 is for 2030 hours. When Card 1/4

L 32687-65 ACCESSION NR: AP5005200

the arc drops below 90 km the linear dependence is disrupted immediately. Wind velocity becomes less than what it should be for a given current intensity. This probably is related to a sharp increase in the recombination coefficient at these heights due to an increase in atmospheric density. The current maximum is observed at the heights of the lower boundary of the arc, about 105-110 km, that is, the height of the current is 120-130 km. Since the straight lines do not pass through the origin it follows that, for the existence of such a dependence between I and V, there must be an electrical field present which is unrelated to the wind because the presence of a current of such intensity can be explained only by a dynamo field. The author determines the field for the two mentioned cases. It is shown that for computation of the electrical fields it is necessary to know the area of the cross section of the current in order to convert from current intensity to current density. The area of the cross section at 1700 hours was smaller than the cross section at 2030 hours by a factor of 4. This is because at 1700 hours the wind vector was directed almost along the current. The author presents the computations of the components of the nonwind electrical field. "In conclusion, the author wishes to thank M. I. Pudovkin for assistance during the work." Orig. art. has: 5 formulas and 1 figure.

Card 2/4

ACCESSION NR: AP5005200			
ASSOCIATION: Polyarnyy geofi geophysics institute, Kola br	zicheskiy institut AN SSSR. anch. AN SSSR)	Kol [†] skiy filial (<u>Polar</u>
SUBMITTED: 02Jun64	ENCL: 01	SUB CODE:	ES
NO REF SOV: 005	OTHER: 009		
	7 (1) - 32 (1) 2 (1) 2 (1) 3 (1) 3 (2) 3 (2) 4 (
Card 3/4			



是一定的"大人"。 [1] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4	
- (nng(+) Po-	4/Pe-5/Pq-4/Pt-10/Pi-4 GW S/0203/65/005/001/0188/0190
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	s/0203/65/005/005/
T CCTON NA. ***	
AUTHOR: Mal'kov, L. N.; Starkov, G. V	ting the first of the contract
AUTHOR: Mal'kov, L. N.; Starkov, U. v. TITLE: Several features in the vertice	al distribution of auroras
features in the vertic	109-190
TITLE: Several Leader	5, no. 1, 1965, 100
TITLE: Several features in the vertices. SOURCE: Geomagnetizm i aeronomiya, v.	c, auroral photograph, zenithal
SOURCE: Geomagnetizm	c, auroral Photos
TOPIC TAGS: auroral band, de-	have been
Marance	hands and ares.
TOPIC TAGS: auroral band, distance ABSTRACT: Heights of the lower rim of	ained at the Murmansk and Bupatained at the Murmansk and Bupatained approximately the same meride to approximately the central at both stations and the central at both stations are used for determinated stations are used for determinated at the same stations.
ABSTRACT: Heights of the measured from auroral photographs obtained state of which listances of auroras at an. Zenithal distances of auroras at a labeled on the arc between the transfer of the state o	e on approximately and the central
Zenithal dan between the	s moogurement results boom mea-
angle bass a shirt representation	and Dallus """
AND HELD.	TODIESCO 1 AF
ian. Zenithal distances the transle based on the arc between the transle based on the arc between the transle based on the arc between the transle based on the Graphic representation ing heights. Graphic representation in the original article for the 43 a in the original article for the 43 a sured on selected photographs. The sured on selected levels in reloof heights measured. A high maximum tak heights measured.	ation to the total number of 100 km.
sured on selected levels 1" tak	es place at the "cas
or here.	그리는 발매되자 그들은 1일 그림을 하는 그리는 사람들은 12 개념을 그리는 1일 1일 기념을 하는 1일
heights measured. A	
. Card 1/2	
	起。这种思想,也是这个自己。这个是一个是一个。这

bserved to	w bands at the l the north of Mu: . art. has: 4	mansk were	lower than	those o	pands and arcs observed to th [EG]	le
ASSOCIATION:	Polyarnyy geo Geophysical ⁱⁿ Ins	izicheskiy	institut A	N SSSR. Branch)	Kol'skiy fil-	
SUBMITTED:	03Apr64	ENCL:	00	SUB	CODE: ES, AA	
O REF SOV:	005	OTHER:	010	ATD	PRESS: 3196	
in the second						

STARKOV, G.V.

Electric fields at E-layer altitudes. Geomag. i aer. 5 no.1:177-179 Ja-F *65. (MIRA 18:4)

1. Polyarnyy geofizicheskiy institut AN SSSR, Koliskiy filial.

ACC NR: AP6032694

SOURCE CODE: UR/0203/66/006/005/0901/0906

AUTHOR: Starkov, G. V.

ORG: Polar Geophysical Institute of the Kola Branch, AN SSSR (Polygrayy geofiziche-

skiy institut Kol'skogo filiala AN SSSR)

TITLE: On the longitudinal effect of auroral activity

SOURCE: Geomagnetizm i aeronomiya, v. 6, no. 5, 1966, 901-906

TOPIC TACS: aurora, geomagnetic midnight, magnetic netherity geomagnetic noon, earth rotation axis, dipolograms, supplementary, magnetic field, amount netherity geomagnetism

ABSTRACT: Maximum appearance of auroras occurs at local geomagnetic midnight, and the local magnetic activity generally reflects the appearance of auroras. The midnight maximum bifurcates at higher latitudes. The distance between two maxima increases until they merge at geomagnetic noon at latitudes from 70° to 80°. Curves of the diurnal rates of auroras are given for Arctic stations in Europe, Asia, and North America. Curves of European stations have similar bell shapes, with the maxima shifted a little from local midnight. Curves of Asian stations have flat tops with the main maxima before midnight. Curves of American stations are deformed with a smooth ascent and a steep fall off. These curves prove the difference in the appearance of auroras of various meridians which can be explained by the angle between the earth's axis of rotation and the axis of the dipole. The

Card 1/2

UDC: 550.388.8

ACC NR: AP6032694

difference in the directions of the two axes creates a supplementary magnetic field which changes periodically. The supplementary field is expressed by horizontal and vertical components which depend upon the geomagnetic latitude and longitude. Variations of the supplementary field agree with the rate of global auroral activity. All diurnal rates have maxima near local geomagnetic midnight. Orig. art. has: 4 figures and 7 formulas.

SUB CODE: 04/0/SUBM DATE: 19May65/ ORIG REF: 011/ OTH REF: 002

Card 2/2

EWT(1)/EWG(v)/FCC/EEC(t) Po-L/ Pe-5/Pq-L/Pt-7/Pi-L L 52634-65 UR/0000/65/000/000/0024/0034 ACCESSION NR: AT5012352 AUTHOR: Roldugin, V. K., Starkov, G. V. TITLE: Orientation of homogeneous auroral arcs and their relationship to currents of magnetic disturbances SOURCE: AN SSSR. Kol'skiy filial. Polyarnyy geofizicheskiy institut. Issledovaniye polyarnykh siyaniy, geomagnitnykh vozmushcheniy i ionosfery v vysokikh shirotakh (Investigation of aurorae, geomagnetic disturbances, and the ionosphere at high latitudes). Moscow, Izd-vo Nauka, 1965, 24-34 TOPIC TAGS: auroral arc, aurora orientation, magnetic disturbance, geomagnetic field ABSTRACT: The morphology of linearly extended forms of auroras, mainly homogeneous arcs, was studied on the basis of films taken by an S-180 camera. The daily variation in azimuths and in the position of arcs may be explained by their orientation along a spiral with a maximum probability of appearance of auroras. The "morning" discontinuity of azimuths may be interpreted from this point of view. The majority of arcs are grouped around the "night" spiral. All the dissimilarities between the azimuths and positions of the arcs and spirals are due to the nature of the magnetic disturbance. Projections of the radii of curvature of homogeneous arcs have relative small values. Probability curves of Card 1/2

L 52634+65			
ACCESSION NR: AT5012352		0	
the appearance of area with a giv 1100 km. The radius of curvatur	en radius have two maxima: ce of the arcs at the maxima	R _{max} = 550 km and R _{max} = lis 50-87% of the radii of	
curvature of the corresponding s of gravity of the current and of the	10 are the market of the feest	gennagnetie midnight. Before	
and after the latter, the arc and tween the arc and the western cu current, about 240 km. This co 120/sec. for the southern one.	current are essentially para- rrent is about 120 km, and be rresponds to 60 m/sec. for the	tween the arc and the eastern he northern component and	
ASSOCIATION: None			
SUBMITTED: 27Nov64	ENCL: 00	SUB CODE: ES,EM	
NO REF SOV: 009	OTHER: 008		
2 2/2			

CIA-RDP86-00513R001652920011-4 "APPROVED FOR RELEASE: 08/25/2000

STARROY, I.

27-12-5/27

AUTHOR:

Starkov, I., Industrial Training Foreman, Technical School

4, Melitopol'

TITLE:

At Pedagogical Conferences (Na pedagogicheskikh konferentsiyakh)

Zaporozh'ye Oblast' (Zaporozhskaya oblast')

PERIODICAL:

Professional'no-Tekhnicheskoye Obrazovaniye, 1957, # 12,

p 5 (USSR)

ABSTRACT:

The article reports on a recent pedagogical conference of workers of the Labor Reserves' educational institutions. The main object of the conference was to examine the fulfilment of the recommendations of the 20th Party Congress in regard to increasing the quality of workmen's training and to investigate to what extent the socialist pledges given by the school staffs on the occasion of the 40th Anniversary of the October Revolution have been kept. The author states that the network of schools in the Oblast' has been expanded, and the number of trained, qualified workmen placed at the disposal of the national economy has been increased. The article enumerates several achievements of the schools and states that the available possibilities have not been utilized by all of them. For

Card 1/2

At Pedagogical Conferences. Zaporozh'ye Oblast'.

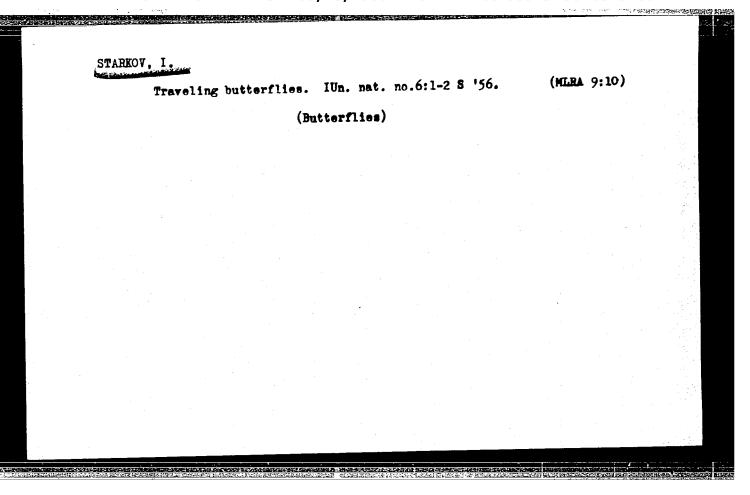
27-12-5/27

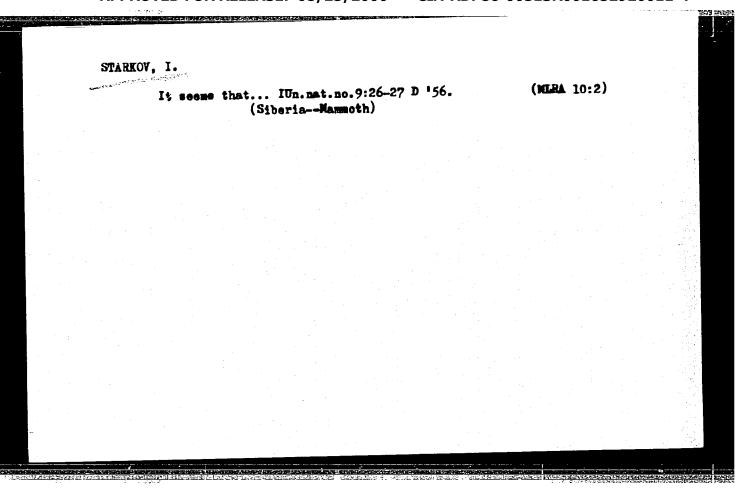
example, Technical School # 1 (Tekhnicheskoye uchilishche No 1) and Trade School # 14 (Remeslennoye uchilishche No 14) have not modernized their stock of machine tools at all, while at Trade School # 2 and Technical School # 5 the equipment is in bad condition. The author mentions a few other shortcomings and then deals with the students' technical activity which was successful at some schools, while it was impeded at other schools by lack of materials.

AVAILABLE:

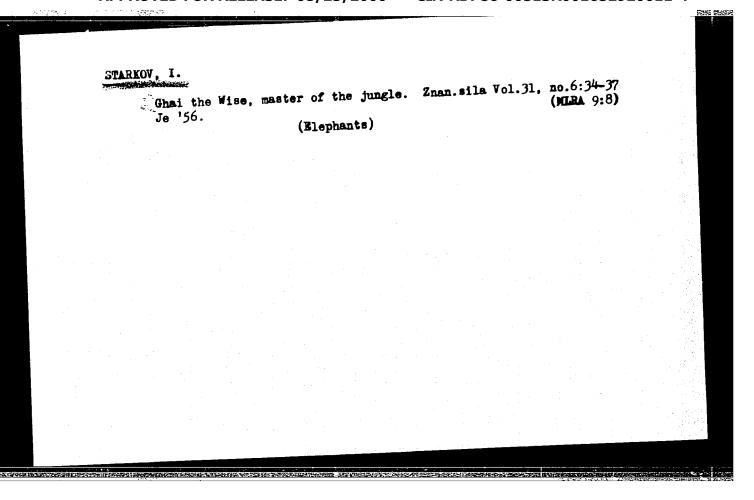
Library of Congress

Card 2/2





الانتهام	In the depth (Ocean botton	of the oce	an. Znan.sila	31 no.4:2	1-25 Ap (M IR A	156. 9:7)		
						- 1992 (<u></u>	1.0	



STARACE

Starkov, I. AUTHOR:

4-9-5/25

The Sea Cucumber Commits Harakiri ("Harakiri" morskogo ogurtsa)

TITLE:

Znaniye - Sila, 1957, # 9, page 14 (USSR)

PERIODICAL:

The article gives a popular description, how the sea cucumber (holothurian) defends itself, if attacked by enemies.

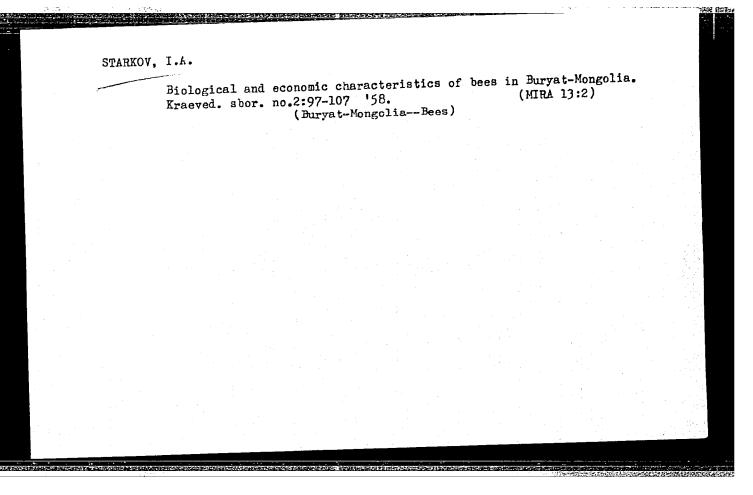
ABSTRACT:

There are 2 figures.

AVAILABLE:

Library of Congress

Card 1/1



STARKOV, I.A.

1. 计制度

Biology of the Transbaikalian azure-winged magpie (Cyanopica cyana cyana Pall.) [with summary in English]. Zool. zhur. 37 no.8:1262-1263 Ag '58. (MIRA 11:9)

1. Buryat-Mongol'skiy gosudarstvennyy zooveterinarnyy institut, Ulan-Ude. (Temnik Valley--Magpies)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652920011-4"

AUTHOR: Starkov, I.A. (Ulan-Ude) 26-58-5-43/57

TITLE: A Tame Erythrina erythrina grebnitzkii Stejn (Ruchnaya

chechevitsa)

PERIODICAL: Priroda, 1958, Nr 5, p 115 (USSR)

ABSTRACT: Experience of a group of students of the biological faculty

of the Buryat-Mongol'skiy pedagogicheskiy institut imeni Dorzhi Banzarova (Buryat-Mongol Pedagogical Institute imeni Dorzhi Banzarov) are given, and an incident is related when they found a tame eastern finch Erythrina erythrina grebnitzkii Stejn hatching 4 light-blue brown spotted eggs.

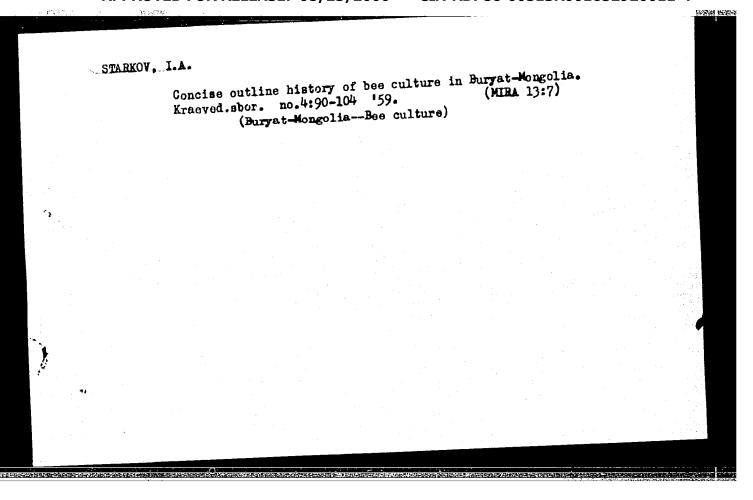
There is 1 photograph.

AVAILABLE: Library of Congres

Card 1/1 1. Birds - USSR

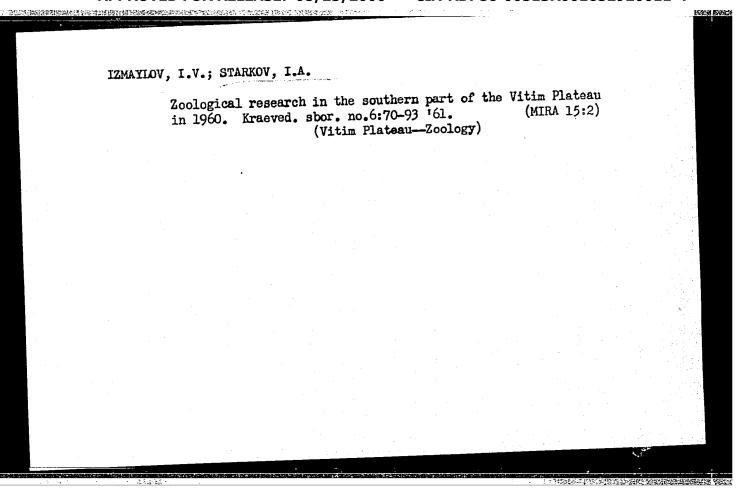
STARKOV, I.A., Cand Biol Sci — (diss) "Epiculture of Buryatiya Ruslamita" of local bees."

Maran', 1950, 17 pp (Min. f Agr 800000, Engan' Vet Inst in p.B. Baumen), 125 copies (Fig. 27.57, 127)



Observations on the migration of birds in the Yeravna lake valley.

(MIRA 14:6)
Ornitologiia no.3:405-409 '60.
(Isinga region-Birds-Migration)



STARKOV, I.A., kand.biologicheskikh nauk Feeder for wrens. Biol. v shkole no.6:77-78 K-D '61. (IIIA 94:11) 1. Buryatskiy pedagogicheskiy institut. (Birds, Protection of)

CIA-RDP86-00513R001652920011-4" APPROVED FOR RELEASE: 08/25/2000

STARKOV, I. D.

1/2516. O Folovoy Zrelosti U soboley. Karakulevodstvo I Zyerovodstvo, 1948, No. 6, s. 55-58.

STARKOV, I. B.

Silver Fox

Rating and culling male voxes by quality of semen. Kar. i zver., 5, No. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 1958, Uncl.

STARKOV, I.D.

Effect of age and number of previous pregnancies in silver foxes, foxes, weasels, and sables on fertility of progeny. Zh. obsh. biol., Moskva 13 no.6:455-463 Nov-Dec 1952. (CIML 23:4)

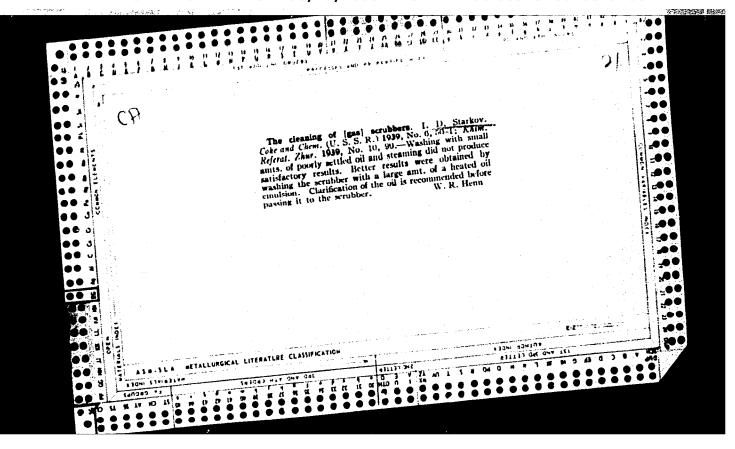
7	COD 3 1 07 CST	TD
١.	STANKOV.	I.D.

2. USSR (600)

4. Fur Farming

7. Selecting young arctic fox, minks, and sables for breeding purposes on the basis of the age and prolificacy of mothers, Kar. i zver. 6 no. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl



Starkov, I.D. (Gorlovsk Coke Oven Works). AUTHOR:

TITIE:

On causes of accumulation of deposits in fittings of pipes delivering gas for heating coke ovens. (O prichinakh zagryazneniya armatury otopitel nogo gazoprovoda

koksovykh pechey.)

PERIODICAL:

"Koks i Khimiya" (Coke and Chemistry), 1957, No. 4, pp. 31 - 34, (U.S.S.R.)

ABSTRACT:

On the Gorlovsk ovens there were periods of operation during which some deposits blocked the fittings of the gas main delivering gas to the ovens. The appearance of these deposits was correlated with the washing of seturators when deposits was correlated with the washing of saturators when the bath acidity reaches 25% Analyses of the deposits (Table 1) indicated that their main component was ammonium chloride and some sulphate. Research on the causes of the appearance of the above deposits indicated that they were related to the use of liquor for washing the saturator. When the use of the liquor in the sulphate department was distontinued, the formation of the deposits ceased. A check on the appropriate of the deposits ceased. the practice of washing the saturator at a lower bath acidity and preliminary dilution of the mother liquor with water is recommended.

There are 5 tables.

SOV/68-59-7-21/33

Starkov, I.D., El'yashev, M.I. and Kalita, Z.S. AUTHORS:

A New Method of Denitration of Acid TITIM:

PERTODICAL: Koks i khimiya, 1959, Nr 7, pp 53-54 (USSR)

A method of denitrating sulphuric acid before it is used for the production of ammonia sulphate is proposed. ABSTRAUT: It consists of an addition to the acid of 0.1 - 0.3% of heavy benzole containing a considerable proportion of unsaturated compounds. The mixture is intensively stirred for one hour by blowing air. A complete denitration of the acid takes place. The method was tested under industrial conditions with satisfactory results.

Gorlovskiy koksokhimicheskiy zavod (Gorlovskiy ASSOCIATION: Coking Works)

Card 1/1

STARKOV, I.N.; ARTEM'YEVA, V.A.

Accessory pancreas in the stomach wall. Khirurgiia 40 no.3:105 (MIRA 17:9)

1. Khirurgicheskoye otdeleniye (zav. V.A. Artem'yeva) meditsinskoy sanitarnoy chasti (glavnyy vrach - zasluzhennyy vrach UkrSSR K.V. Larionova) Severskogo metallurgicheskogo zavoda.

AID P - 981

Subject

: USSR/Engineering

Card 1/1

Pub. 28 - 4/9

Authors

: Stepanov, G. M. and Starkov, I. V.

Title

: Standarization of electric power consumption for deep

well oil pumping

Periodical: Energ. byul., #10, 18-21, 0 1954

Abstract

Three semi-empirical formulas for determination of kwhr consumption per one ton of oil in deep well oil pumping are analysed on the basis of average observed data from many operating oil fields. The formulae are found not quite satisfactory for practical use in view of the complications involved in the determination of the correction coefficients. One chart and 5 Russian references (1949-54).

Institution: None

Submitted

: No date

- THRKOV

AID P - 1545

Subject

: USSR/Engineering

Card 1/1

Pub. 28 - 6/7

Author

Starkov, I. V.

Title

: Automatic cut-off of oil pumps (walking beams) in case

of disruption of normal operations of oil well

Periodical: Energ. byul., 1, 25-28, Ja 1955

Abstract

: The author presents a device for automatic disconnection

of the electric drive in case of the disruption of

normal operations of the well pump. He analyses several situations which may lead to serious damage of the electric-drive mechanism, illustrates them with 6 diagrams and gives an additional rough sketch for the

proposed electrical set-up of his device. After

elimination of certain shortcomings, the proposed device should find wide application in the petroleum industry.

Institution: None

Submitted: No date

STAR KOV, I.V.

AID P - 2153

Subject : USSR/Electricity

Card 1/1 Pub. 28 - 4/9

: I. V. Starkov Author

Power relay controlling the operation of deep oil wells Title

Periodical: Energ. byul., no.5, 17-18, My 1955

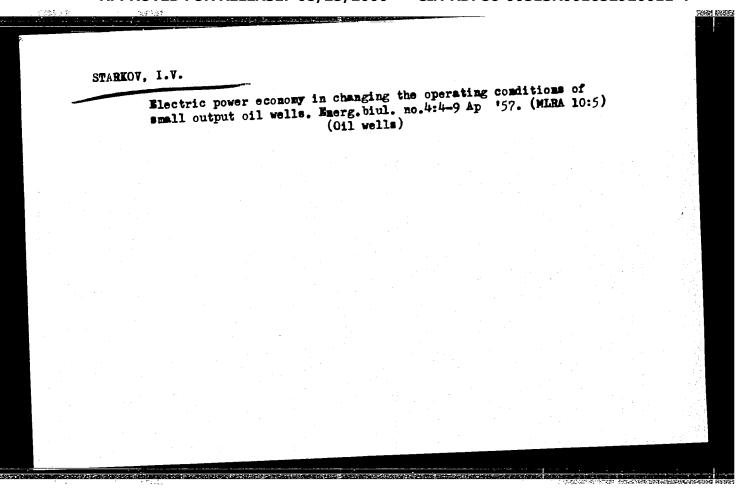
Abstract :

This author previously (Energ. byul., no.1, 1955) described an electric control device for automatic disconnection of the electric drive in case of disruption of the normal operation of an oil well pump. Now he suggests the adaptation of a 5 amp

220 v induction watthour meter, (slightly reconstructed) to be used as the power relay for the purpose. The description of the reconstruction of the electric meter

is supplemented with 2 diagrams.

Institution: None Submitted : No date



KOZHEVNIKOVA, Z.I., inzh.; STARKOV, Kh.A., inzh.

Light scatterer for a portable battery-fed lamp. Svetotekhnika
(MIRA 16:7)
9 no.7:29-30 Jl 163.

1. Vsesoyuznyy svetotekhnicheskiy institut.
(Electric lighting)

STARKOV, L.

Construction of reinforced concrete docks for the merchant
marine. Mor. flot 16 no.12:17-18 D '56. (MLRA 10:2)

1. Direktor Khersonskoy sudostroitel'noy verfi.
(Docks) (Reinfor ad concrete construction)

STARKOV, L. I.; CHERPILLO, A. V. Long-stroke drill. Gor. zhur. no.11:75-76 N 162. (MIRA 15:10) (Boring machinery)

Managing and 2021. (Pallished Cites Jackitz and Millingill Andready of telemony. 2021 pp. 10. Treations. 1959, 1971. P. Excellent Andready of telemony. 2021 pp. 10. Treations. 1959, 1971. P. Excellent Andready of telemony. 2021 pp. 10. Treations. 1959, 1971. P. Excellent Considers of Profession Indicators and Administration. Considers of Profession Indicators and Profession Indicators and Profession Indicators and Profession Indicators and Profession Indicators. 1959, 1971. P. Excellent and Profession Indicators and Profession Indicators and Profession Indicators. 1959. Profession Indicators and Profession Indicators and Excellent Indicators. 1959. Profession Indicators. 195	15 -	FART	₹0	V, L.A	ង	ន្ត	10 R		.	ಭ	8	55	۲ t	= &	1 15		 1 5	â	ŝ	r.i	133	us M	
	OMESM. Uralisky fills. (Transactions of the In- Belance, UNIN, No. 4)	A. Milalian H. Milalian H. Milalian H. Milalian H. Milalian	FERFOR: this book is intended for furrous and monfurrous artallurgists.	NEMACH: The book presents results of investigations of the second and an article of the second and article of the second and article of the second and conference secult wellogened of second and processes as the settling immediates of the settling second and the second article of the lasticities are second as the second article of the lasticities are second as the lasticities of the lasticit	". Separations, and B.M. Leginstift. efficient of Milgerton Illamite Daring the	Emist, 6.4., and Ye.A. Verrein. On the Connection Serven the Kinetics of the Vegori-vitos of \$6115 and the Presente of Seturated Vegor	Exprised All., and M.F. Myww (Increased). Rehardor of Germanius Daving the Empering of Salities Opposite the Communities of Manufacture, as M.L. Eccherer, On the Reflection of the Lower Salities of Machine American and Constant	Oridation of the Lawer Bulfildes		phenomen, M.M., Intrilor, and P.A. Packetion. Investigation of the Comfitton for Electrodeposition of Copper From Edition Solutions in the Freeness of Item, Else, and Compare Costons and the Mitrate Asion.	Primbarg, I.M., P.d. Pashiltor, and L.H. Garrilor. Some Frurequisites for the Electricate Frometics of Lead Space From Mindles Chloride Schritons and Salection of Insulable Ancies for Electrolysis	Spakeralloy, G.E. See Penilarities of the Restin of Maintie With Sole and Lie Wring the Sistering Process Designation, G.E., on S.E. Recordery, Optime Condition for Leading Sole.	Entantie diricar Cakes Ministra Andle and G.M. Independing, Production of Metallic Sodies by Ministration of Metallic Sodies by		Print, E.A. Typestcher, and M.P. Hyer (Decembed), Comparative Inta on the Carrying of Liquid Into the Gos-enhant Holes in Experimental Converter	Mitherlaw, V.V., M.Z., Endinov, and V.I., Englikov, On the Behavior of Oxides of Boron Laring the Mainling of I Trustment of Borons Ores		Ė	On the Deposition of Perrotitanium Reguli	avestigation of the Copalymers of Poly-lay.		Engalmentanced Properties	
	. -		,		7	· 		-			·		- 		· · · · · ·		 1_		· · · · · · · · · · · · · · · · · · ·		-		

.STARKEV, L. M.

24-58-3-9/38

AUTHORS: Kochnev, M.I., Plotnikova, A.F. and Starkov, L.N. (Sverdlovsk).

TITLE: Temperature Features of the Process of Oxidation of Copper , Sulphide (Temperaturnyye osobennosti protsessa okisleniya sul'fida medi)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, 1958, Nr 3, pp 82-88 (USSR)

Modern conceptions on the changes in the electron structure ABSTRACT: of atoms and their influence on the character of the chemical bond forces, gained from the study of semi-conductors, justify a more thorough analysis of various phenomena involved in metallurgical processes. In earlier work in this field, relating to compounds of heavy non-ferrous metals, the team of the authors of this paper established the existence of a temperature correspondence in the changes of the properties of these compounds and of their components. The aim of the work described in this paper was to study the interrelation between the temperature changes and the properties of copper and sulphur and the properties of the simple compound Cu2S formed from these. Cu2S was chosen for investigation due to the fact that it is one of the basic components of the raw materials for which new processes of roasting and Card 1/4 smelting are being developed. Two specimens were investigat-

24-58-3-9/38

Temperature Features of the Process of Oxidation of Copper Sulphide.

ed which were prepared synthetically by smelting, the respective compositions being the following: 78.9% Cu, 21.1% S and 79.1% Cu, 20.9% S (the theoretical composition being 79.8% Cu, 20.2% S). In both cases the composition was in the range of solid solutions of sulphur in Cu₂S. The diff The differ-

ences in the composition of the two specimens proved to be of little importance. The experiments were carried out mainly with sulphide grains of the sizes 0.50 to 0.63 mm. Oxidation of the sulphide was carried out in a vacuum setup, a sketch of which is shown in Fig.1, p.83, using the method of circulating air in a closed system, drawing it through layer of the charge which is heated to a certain temperature; the gases obtained after drawing off the air through the charge were caught by a device in which cooling by means of liquid nitrogen was applied for the purpose of freezing out sulphurous acid anhydride and sulphuric anhydride. According to Averbukh, B.D. (Ref.7) the quantity of forming sulphuric anhydride under these conditions is very low and, therefore, was not determined separately. The investigations were carried out with a constant initial air pressure in the system Card 2/4

24-58-3-9/38

Temperature Features of the Process of Oxidation of Copper Sulphide.

of 408 mm and a constant temperature of the charge, which were established during each measurement of cxygen consumption after three minutes. The total duration of the experiment was 21 or 30 mins. The graph, Fig.2, gives the change in the speed of oxidation of Cu₂S during continuous heating. The graph, Fig. 3, gives the temperature dependence of the coefficient of electrical resistance of the copper. The graph, Fig.4, gives the temperature dependence of the oxidation speed of copper sulphide along a fresh surface. The graph. Fig. 5. gives the temperature dependence of the quantity of copper which is present in the form of oxides and sulphate in the residue on the degree of oxidation of CuoS.

In Fig.6 the consumption of oxygen and the yield of sulphurous acid anhydride as a function of the temperature are graphed. It was established that the speed of oxidation of Cu₂S does not change continuously with temperature but is

complicated by a number of anomalous deviations within narrow temperature ranges. The temperatures of the narrow deviations in the kinetics of oxidation of copper sulphide are critical temperatures for pure copper and pure sulphur the manifestation of which is considered as being the result

Card 3/4

24-58-3-9/38

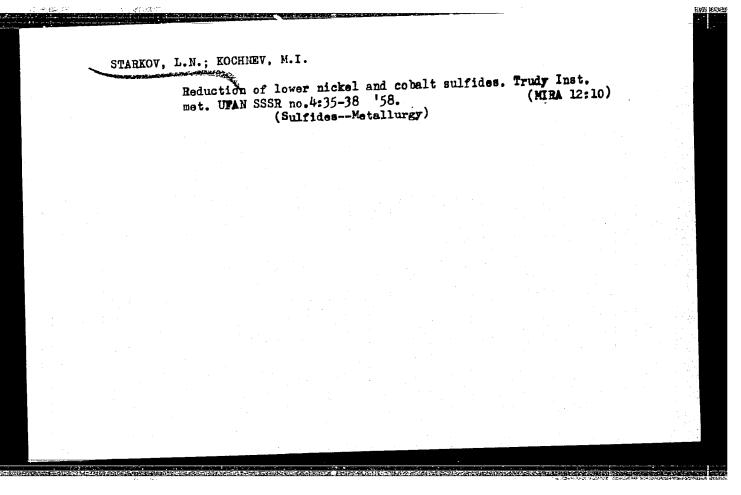
Temperature Features of the Process of Oxidation of Copper Sulphide.

of changes in the electron structures of the atoms with increasing temperature. The character of the changes in the speeds of oxidation of the copper sulphide at critical temperatures is elucidated and the limits of anomalous temperature ranges were determined; in most cases the sharp fluctuations in the oxidation speed reach 20 to 30% and take place in the temperature range 5 to 15°C. On the basis of study of the oxidation isotherms, the degree of utilisation of the oxygen and the yield of sulphurous acid anhydride and of the influence of the oxidation duration, the conclusion is arrived at that the determining factor in the process of oxidation of Cu₂S at temperatures up to 450°C is the formation of sulphate. There are 6 figures and 12 references, 11 of which are Soviet, 1 English.

ASSOCIATION: Institut metallurgii Ural'skogo filiala, AN SSSR (Institute of Metallurgy, Ural Branch Ac.Sc., USSR)

SUBMITTED: January 3, 1957.

Card 4/4 1. Copper sulfide -- Oxidation 2. Temperature -- Effects



STARKOV, L.N.; KOCHNEV, M.I.

Oxidation of lower nickel and cobalt sulfides. Trudy Inst. met.
UWAN SSSR no.4:39-43 '56. (MIRA 12:10)

(Sulfides--Metallurgy)